User's Manual

Gas Leakage Alarm

Please read particulars before you use it.

(NO. 1) TECHNICAL PARAMTER

1.Features:

1,1 Independent mode: when detector used independently, there is only sound and light alarm

1.2 Compatible mode:it can be connected with one of the following five mode

A. Wired network

B. Wireless network

C. Electromagnetic valve

D. Wireless network and exhaust fan

E . Wireless network and Electromagnetic valve

(If you intent to choose one of the above connection, you shoud pay a premium for your choice.)

1.3 If It is strictly compliance with quality system, It can be effective to prevent fire by flammable gas, such as coal gas, liquid petroleum gas and natural gas,carbon monoxide and monitor automatically.

1.4 Widely use in house, coal station, colliery ,car and so on

2.SPECIFICATION:

2.1. Power supply: AC220V /AC230V（ ） AC240V （ ）
AC110V （ ） DC12V （ ）

2.2. Start warm-up current: ≤60MA

2.3. Working voltage: 6VDC

2.4. Static current: ≤40MA

2.5. Alarm current: ≤150MA

2.6. Static consume: ＜1 W

2.7. Alarm consume ＜3W

2.8. Alarm volume: ≥90dB

2.9. Working environment：temperature：-5ºC～60ºC； Humidity: ≤97%RH

2.10.Alarm density: Coal gas: 1000~5000ppm, Liquid petroleum gas: 1000~5000ppm, Natural gas: 1000ppm~5000ppm

2.11. Responding time: ≤30S

2.12. Alarm output: normally open and closed signal, control exhaust fan, electrical magnetic valve signal.

（NO. 2）INSTALLATION GUIDE

1.Fitting Locations:

According to specific gravity of natural gas to install gas leakage alarm

1.1.Natural gas and coal gas : its specific gravity is lighter than air, so it suspends on the ceiling. Therefore, it is adviseable to locate the alarm 30cm below the ceiling at a distance about 1.5m away from gas appliance.

1.2.Liquid petroleum gas: its specific gravity is heavier than air, so it sinks down on the bottom. Therefore,it is adviseable to locate the alarm 30cm above the floor at a distance of 1 meter away from a gas appliance.

Green Yellow Red Test Green Red Test Red Yellow Green Test

2.Required to attention:

1. Do not face it to oil smoke and steam of cooking range
2. Do not install it at the airness area
3. Do not be obstructed by window curtain or cabinet
4. Do not install it at the area with heavy vapor, such as washing room

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3.About output wire:

3.1. Red wire =Positive power input

This wire must be connected to a permanent 12v DC positive source.

Black wire = Negative power input.

This wire must be connected to a permanent 12v DC negative source.

3.2. Yellow wire = Relay (Common) COM contact.

Blue wire = Relay (Normally open) NO contact.

White wire = Relay Normally closed) NC contact.

The above three wires only need to be connected if you intend to trigger an external device such as a siren or monitoring system

3.3. Connect with exhaust fan

Connect both blue and yellow wire with exhaust switch.

(NO. 3) OPERATION GUIDE

1. Warm-up situation:

Upon connecting power to the gas alarm the Green LED will start to flash.
This indicates the warm up period. It will stop flashing after approximately 3~5 minutes.
With the Green LED constantly illuminated, the gas alarm is ready to detect.

2.Alarm situation

Upon detecting gas, the Red LED will start to flash and the siren will activate.

3.Fault display

When the yellow LED light flashed with the sound of buzzer, it displayed the sensor have ever fault, please send it to repair. If there is not yellow LED light, when the sensor has fault, the red and green lights flash alternately.

If the above condition occurs, you should disconnect power to gas alarm for 1 minute and then re-apply.

(NO. 4) ALARM SOLUTION

When the alarm is warning, solutions are needed immediately:

1.Shut off wipe valve of gas.

2.Open all window to let gas out of room

3.Do not touch any electrical switch, plug, telephone or door ring

4.Do not use match or lighter. Turn off all fire immediately

5.Do not test the gas leakage with fire

6.Do not shut off the alarm power because the alarm is automatically stop to alarm once gas leakage disappeared

7.Check off the gas leakage reason and immediately notify gas supply to send professional technician to repair it.

(NO. 5) OTEHRS

1.Test

Spay some inflammable gas into the detecting hole of alarm. If it gives off clear pulse alarm signal , that means the alarm detector is all right. (Suggestion: do the test weekly to proof of reliability of detector)

1.1. Press Test button shortly, the detector will do self-test of audio-light.

1.2. Press Test button for a long time, it will test the output of the wired or wireless signal.

2. Maintenance:

Ensure the alarm grills are always free of dust and cobwebs.

Disconnect power and lightly dust the grills with a soft brush.

Never use chemical sprays to clean the alarm enclosure.

Never allow water to enter the alarm enclosure.

Do not throw out the alarm or disassemble the alarm.

3. Warranty:

Lingbao Electronics Co.,Ltd warrant to the purchaser that the product described herein is free from defects in the material or workmanship under normal use for three year from the date of purchase. During the warranty period, UPON PROOF OF PURCHASE , we will either repair, or replace the product without charge for either parts or labour. The purchaser shall bear all posting and insurance costs to our company.

This warranty does not cover damage resulting from :

- Negligence of the precautions in the installation / operation manual.
- Alterations performed by unauthorised persons.
- Abuse.

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